

AMENDMENT

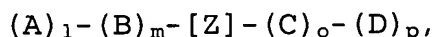
U.S. Appln. No. 10/023,831

IN THE CLAIMS:

The status of the claims is as follows:

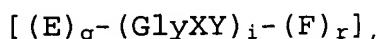
Claims 1-30. (Cancelled)

Claim 31. (Currently Amended) A ~~an~~ hydroxylated triple helical protein comprising a polypeptide or peptide which is a synthetic polypeptide or peptide represented by the following formula:



wherein ~~+~~ z:

Z is a domain comprising two or more repeat units of the formula:



wherein;

E and F represent sequences of one or more amino acids, which sequences may vary from repeat unit to repeat unit, and for each repeat unit q and r are each independently selected from 0 and 1, and

i is ≥ 1 such that domain Z comprises 2 to 1500 GlyXY triplets,

Gly represents glycine, and

X and Y, which may be the same or different, represent an amino acid, and wherein the identity of each amino acid represented by X and Y may vary from GlyXY triplet to GlyXY triplet, but wherein at least one Y of the $(GlyXY)_i$ sequence must be proline,

A and D, which may be the same or different, each represent a polypeptide or peptide domain which optionally comprises a triple helical forming repeating sequence $(GlyXY)_n$, wherein n is 2 to 1500 and l and p are each independently selected from 0 and 1,

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B and C, which may be the same or different, each represent a polypeptide or peptide domain which is heterologous to collagen proteins and which does not comprise a triple helical forming repeating sequence $(\text{GlyXY})_n$, and m and o are each independently selected from 0 and 1, provided that at least one of m and o is 1.

Claim 32. (Currently Amended) The hydroxylated triple helical protein of claim 31, wherein domain Z comprises ~~no more than~~ 10 to 300 GlyXY triplets.

Claim 33. (Original) The hydroxylated triple helical protein of claim 31, wherein in domain Z, $(\text{GlyXY})_i$ has an amino acid length which is at least three times greater than the combined amino acid length of E and F.

Claim 34. (Currently Amended) A biomaterial or therapeutic product comprising said hydroxylated triple helical protein of claim 32, wherein the biomaterial or therapeutic product is formed from a member selected from the group consisting of collagens, natural and synthetic collagen fragments, and natural and synthetic collagen-like proteins.

Claim 35. (Original) A biomaterial or therapeutic product comprising said hydroxylated triple helical protein of claim 33.